

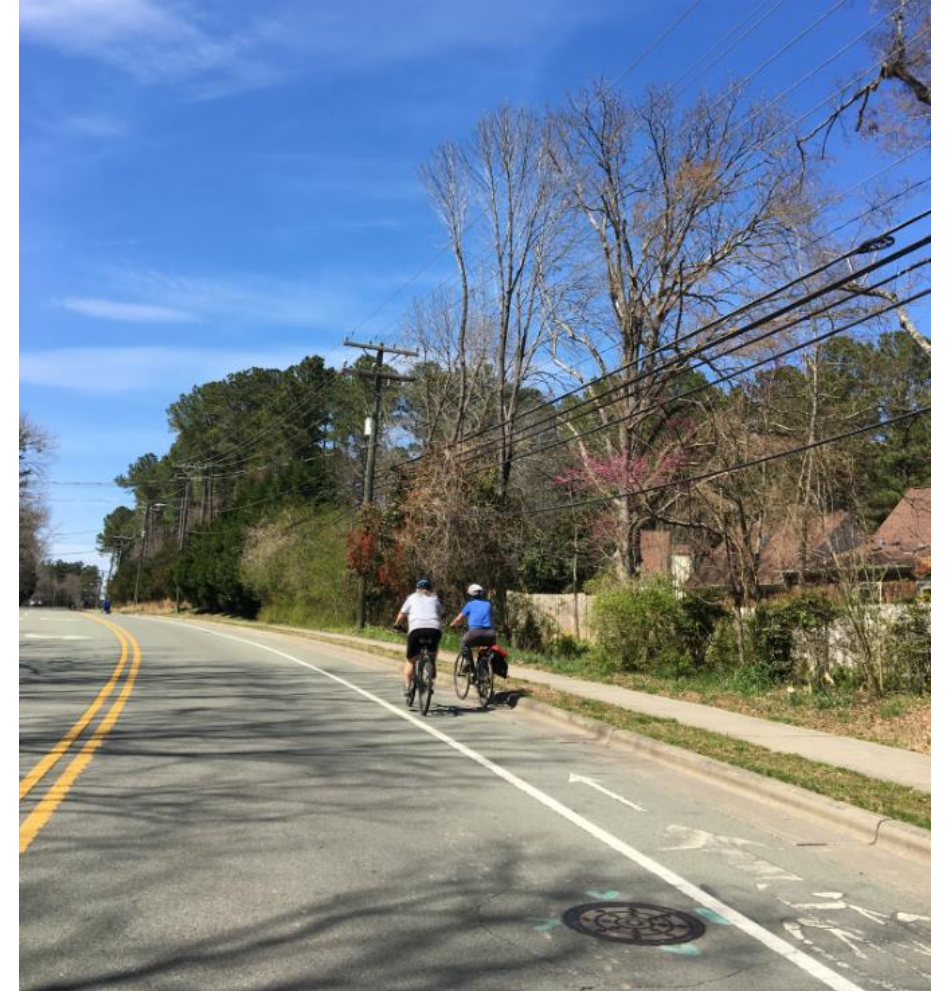


Carrboro Bike Plan

# STEERING COMMITTEE MEETING #2

# Today's Meeting

- **Progress Towards 2009 Plan**
- **Biking in Carrboro Today**
- **Public Involvement**
- **Updated Schedule**











# Progress Since 2009 Bike Plan











# 2009 ACTION STEP ASSESSMENT









## ENGINEERING

- Training sessions for Town engineers and planners 
- Partner with Orange County, Chapel Hill, and NCDOT representatives for training programs 
- Ensure bike facilities are part of bridge construction projects 
- Expand bike parking ordinance 
- Create a bicycle-request response system for maintenance 
- Improve signage and mapping 




## EDUCATION

- Develop educational brochures, articles, newsletters and billboards 
- Launch traffic calming public education program that targets all roadway users 
- Enhanced enforcement of unsafe behavior 
- Continue "Basics of Bicycling" course 
- Develop educational bike map 
- Training sessions for local-law enforcement 
- Begin ambassador program formed by Advocacy Group members and citizens 
- Increase number of League Cycling Instructors 





## ENCOURAGEMENT




- Provide incentives for employees for commuting by bike 
- Apply for additional Safe Routes to School funding 
- Develop bicycle rodeos, summer bike camps, and other bike events 
- Promote Bike Month and create additional activities 
- Host own bike riding tours/races 
- Utilize greenways and bike facilities for events 
- Town should support Blue Urban Bikes and ReCYCLery programs 
- Reach out to Spanish-speaking population with education and encouragement programs 

## ENFORCEMENT

- Enforce illegal motorist actions related to bike safety 
- Create bike patrol positions 
- Continue school crossing guard program and expansion 

## EVALUATION

- Utilize Census Data to determine new mode share 
- Research crashes and initiate crash reduction programs 
- Measure new facilities as constructed and report on facility quality 
- Regularly review and update bicycle-related policies 

Key:  = complete;  = on track;  = not complete





# Smith Level Rd - 2009



# Smith Level Rd – *2009 Vision*





# Smith Level Rd – *Today*



# Group Discussion





# Biking in Carrboro Today

# Bikeway Network Growth

1989: 3 miles

2005: 16 miles

2012: 23 miles

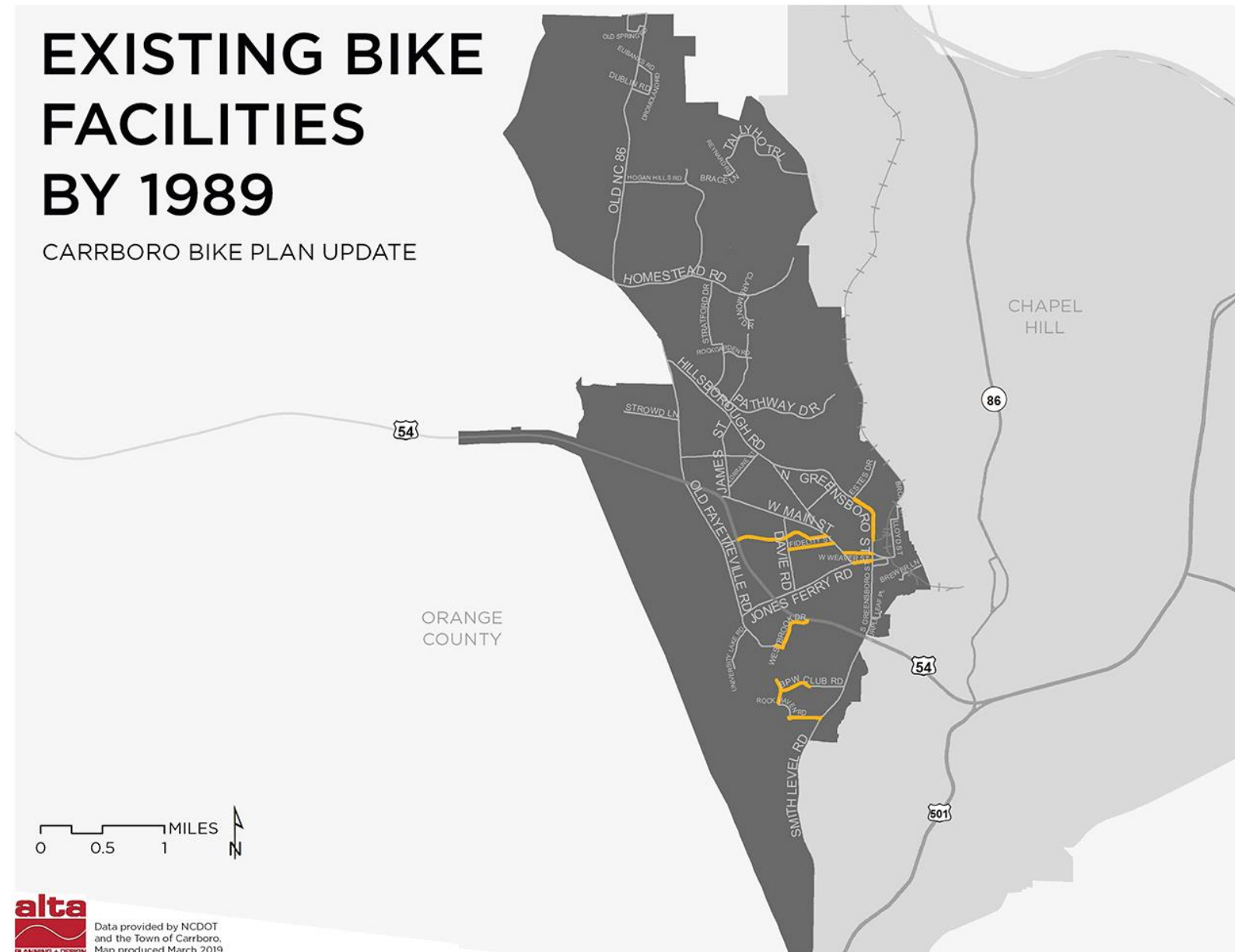
2013: 23.6 miles

2014: 23.9 miles

2015: 26 miles

2016: 26.7 miles

**Today: 27 miles**





# Existing Bike Network



5 miles of  
Greenway  
Trail



2 miles of  
Sharrows



16 miles of  
Bike Lanes



4 miles of  
Wide Shoulder

# Existing Bike Network

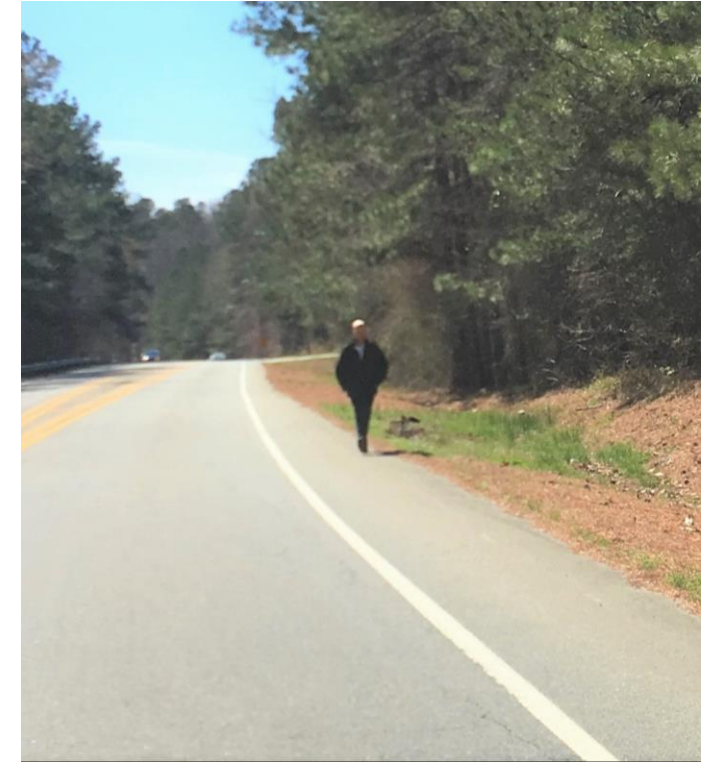


Old NC 86





# Existing Bike Network



Estes Drive



# Existing Bike Network



Bike lanes on N Greensboro Street



# Existing Bike Network



Weaver Street





# Existing Bike Network



Wilson Park Trail



Libba Cotton Bikeway

Trails and Bikeways

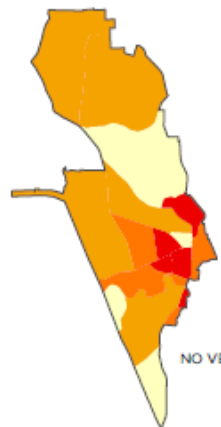




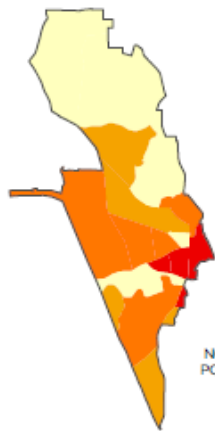
# Equity Analysis

- **Vehicle Access:**  
Households with non access to a vehicle
- **Education Attainment:**  
Population with no high school diploma or equivalent
- **Income:** Individuals of working age who are living at or below 200% of the Federal Poverty Level (FPL)
- **Limited English Proficiency (LEP):** Percentage of the population that identifies as not speaking English well or at all
- **Race:** Percentage of the population that identifies as non-white
- **Age:** Percentage of the population under 18 years of age and over 65 years of age

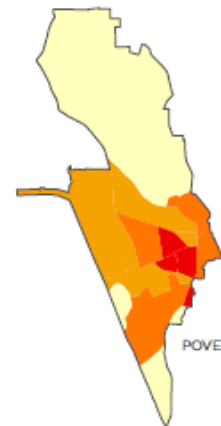




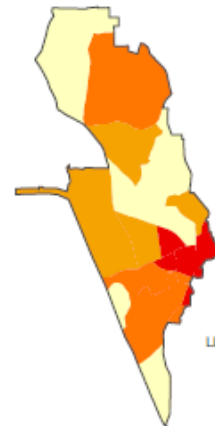
NO VEHICLE ACCESS



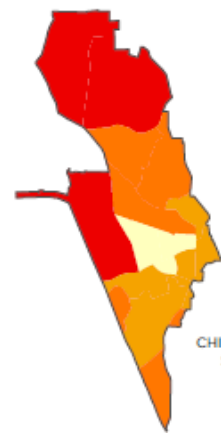
NON-WHITE  
POPULATION



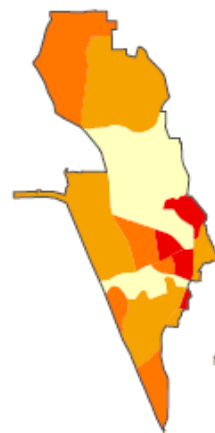
POVERTY STATUS



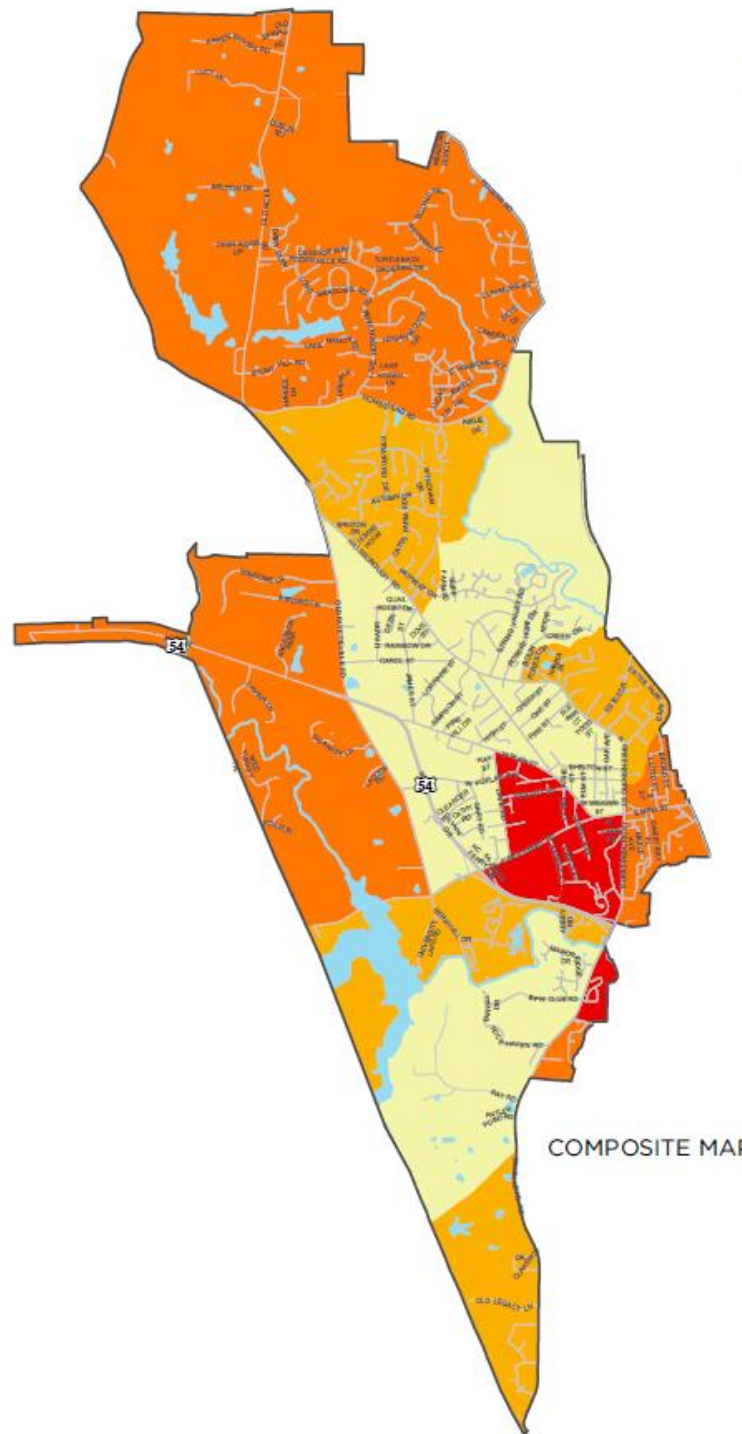
LIMITED ENGLISH  
PROFICIENCY



CHILDREN &  
SENIORS



NO HIGH SCHOOL  
DIPLOMA



COMPOSITE MAP

## LEGEND

Composite Score

Higher Score



Lower Score





# Level of Traffic Stress (LTS) Analysis

Libba Cotten Bikeway



**LTS 1**

comfortable for all  
ages and abilities



E Carr Street



**LTS 2**

comfortable for  
most adults



N Greensboro Street



**LTS 3**

comfortable for  
confident bicyclists



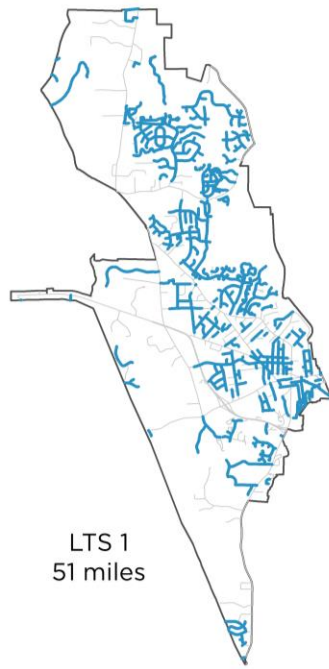
Homestead Road



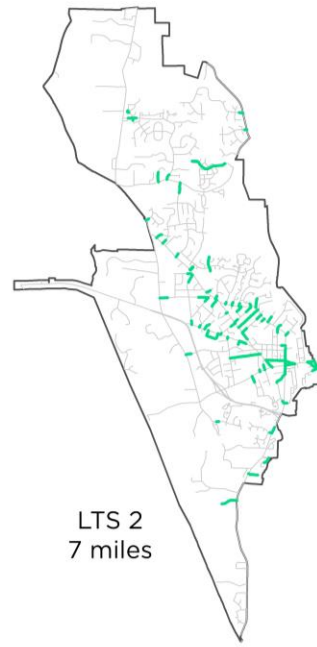
**LTS 4**

uncomfortable  
for most





LTS 1  
51 miles



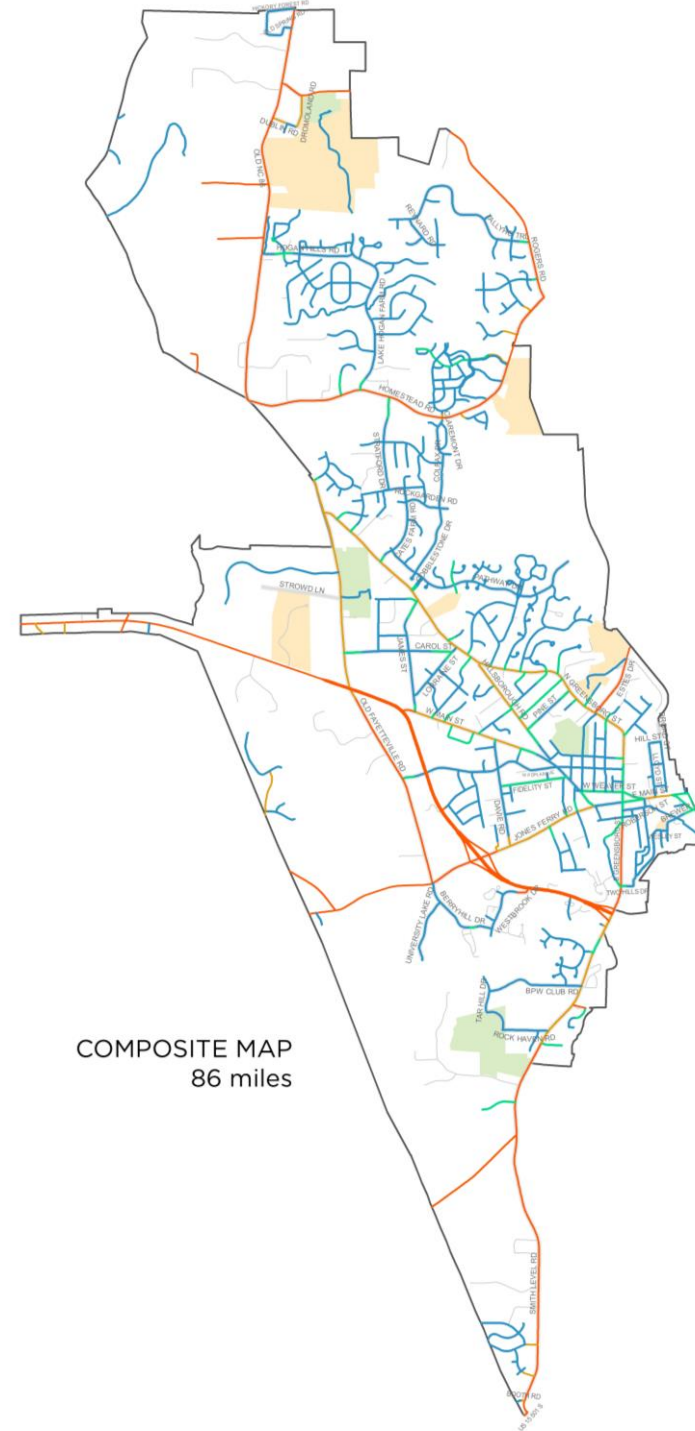
LTS 2  
7 miles



LTS 3  
7 miles



LTS 4  
21 miles



COMPOSITE MAP  
86 miles

## LEGEND

LTS Score

1 (Most Comfortable)

2

3

4 (Least Comfortable)



# Level of Traffic Stress (LTS) Analysis

Libba Cotten Bikeway



**LTS 1**

comfortable for all  
ages and abilities

**51 Miles**

E Carr Street



**LTS 2**

comfortable for  
most adults

**7 Miles**

N Greensboro Street



**LTS 3**

comfortable for  
confident bicyclists

**7 Miles**

Homestead Road



**LTS 4**

uncomfortable  
for most

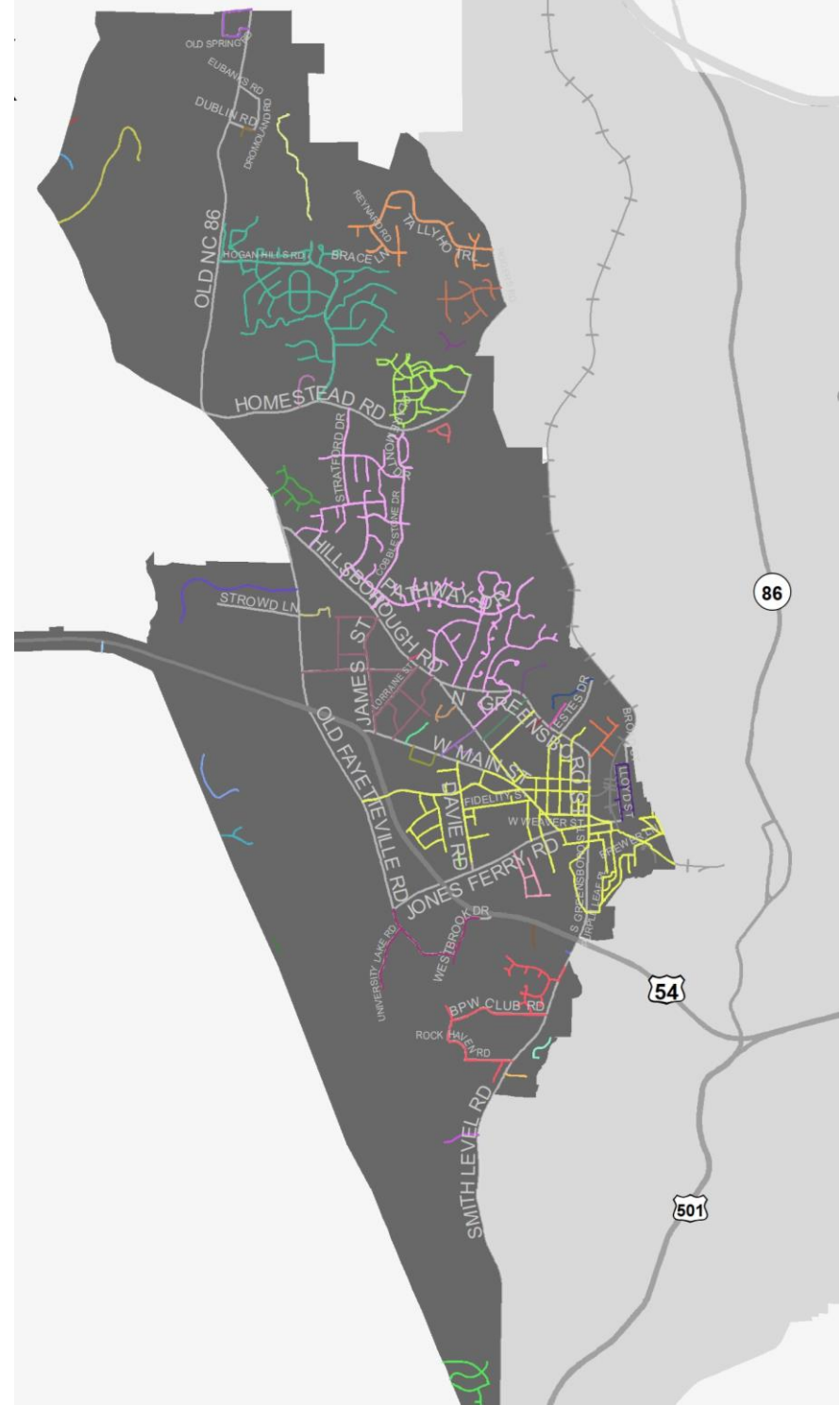
**21 Miles**

— 58 Miles of Low  
Stress Roadways —



# Connectivity Islands

- 47 Distinct Low-Stress Islands (LTS 1 or LTS 2)
- Barriers to Connectivity:
  - Hillsborough Road
  - Greensboro Street
  - Main Street
  - Neighborhoods near the far northern and southern extents are isolated

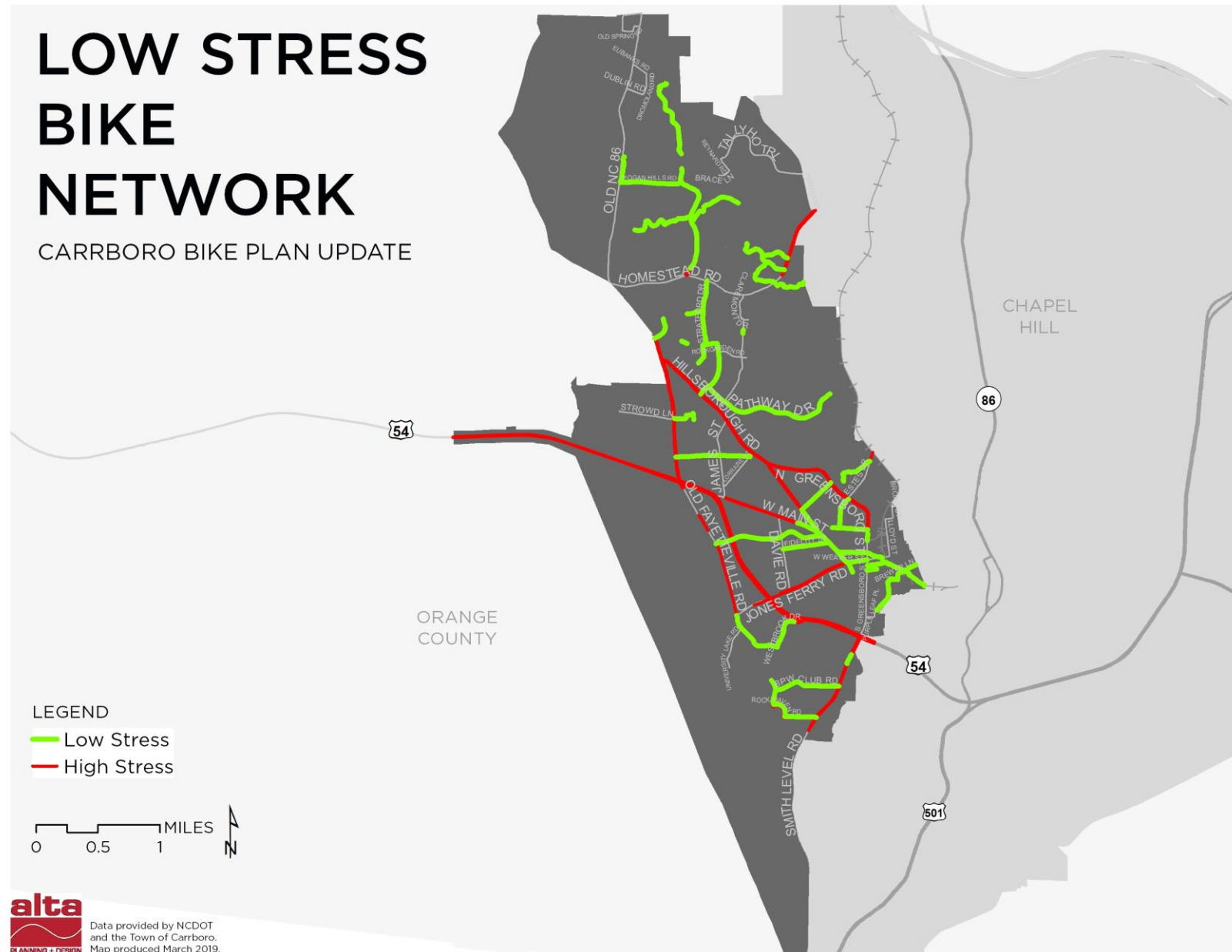




100

55% of today's network is low stress

50% of today's  
low stress bikeways  
are located in high  
areas of need



# Group Discussion





# Public Involvement



# Outreach Materials



## Bike Plan Survey YOUR VOICE MATTERS

The Town of Carrboro wants to hear from you!

Please take a few minutes to let us know how we can provide a quality bike plan that benefits residents!

How often do you bike during the week in Carrboro? (check one)

All the Time	Often	Sometimes	Rarely	Never
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What factor(s) would encourage you to bike more? (Check all that apply)

- ☐ Trail or greenway access
- ☐ Bike lanes
- ☐ Slower traffic
- ☐ Bicycle wayfinding signage
- ☐ Safe intersections
- ☐ Bike education and maintenance classes
- ☐ More bike parking
- ☐ Bike share program
- ☐ Other \_\_\_\_\_

I would bike more if...

My favorites place to bike in Carrboro is...

The most difficult place to bike in Carrboro is....

Are there any additional ideas, concerns, or issues you'd like to share?

How long have you lived in Carrboro?

- ☐ Less than 3 years
- ☐ 3-5 years
- ☐ 6-10 years
- ☐ 11-15 years
- ☐ Over 15 years
- ☐ I don't live in Carrboro
- ☐ I prefer not to answer

What is your zip code? \_\_\_\_\_

What is your age?

- ☐ Under 18
- ☐ 18-24
- ☐ 25-34
- ☐ 35-44
- ☐ 45-54
- ☐ 55-64
- ☐ 65+
- ☐ I prefer not to answer

What is your gender?

- ☐ Male
- ☐ Female
- ☐ Non-binary
- ☐ Prefer not to answer

What is your race? Select all that apply.

- ☐ American Indian or Alaska Native
- ☐ Asian
- ☐ Black or African American
- ☐ Hispanic or Latino
- ☐ Native Hawaiian or Other Pacific Islander
- ☐ White or Caucasian
- ☐ I prefer not to answer
- ☐ Other: \_\_\_\_\_

Please leave your email address below if you'd like to receive project updates: \_\_\_\_\_





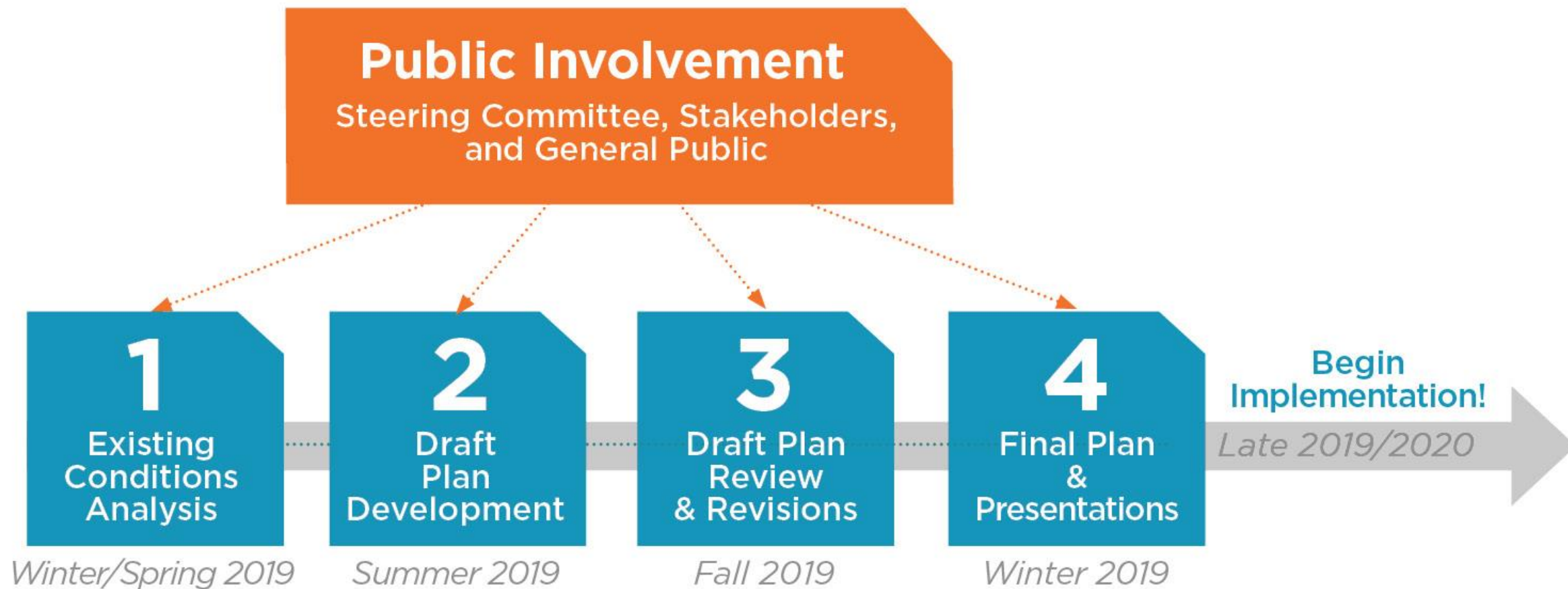
# Group Discussion



# Updated Schedule



# Bike Plan Schedule



# Next Steps

- Conduct Public Outreach
- Develop Preliminary Network Recommendations

## Upcoming Meeting Dates:

- May 30th: Preliminary Recommendations
- June 27th: Draft Plan Presentation





# THANK YOU!



**Matt Hayes, AICP, Principal**

984-329-5006 | [matthayes@altaplanning.com](mailto:matthayes@altaplanning.com)

**Jennifer Baldwin, Project Manager**

984-329-5003 | [jenniferbaldwin@altaplanning.com](mailto:jenniferbaldwin@altaplanning.com)

**Angela Coullias, Senior Planner**

984-201-6001 | [angelacoullias@altaplanning.com](mailto:angelacoullias@altaplanning.com)

